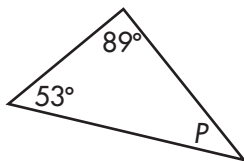


Mark the best answer.

1. Which is a triangle with no sides the same length and an angle measuring  $90^\circ$ ? (8-4)

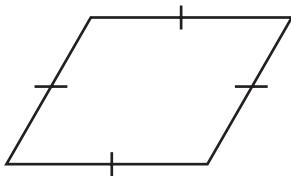
**A** Right scalene  
**B** Acute isosceles  
**C** Obtuse scalene  
**D** Right isosceles

2. Find the measure of  $\angle P$ . (8-4)



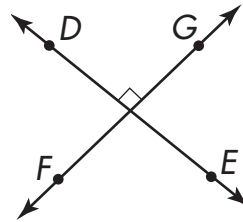
**A**  $58^\circ$   
**B**  $48^\circ$   
**C**  $38^\circ$   
**D**  $37^\circ$

3. Which of the following can be used to describe the shape below? (8-5)



**A** All angles are right.  
**B** It has one pair of parallel sides.  
**C** It is a rectangle.  
**D** All sides are the same length.

4. What is the relationship between line  $DE$  and line  $FG$ ? (8-1)

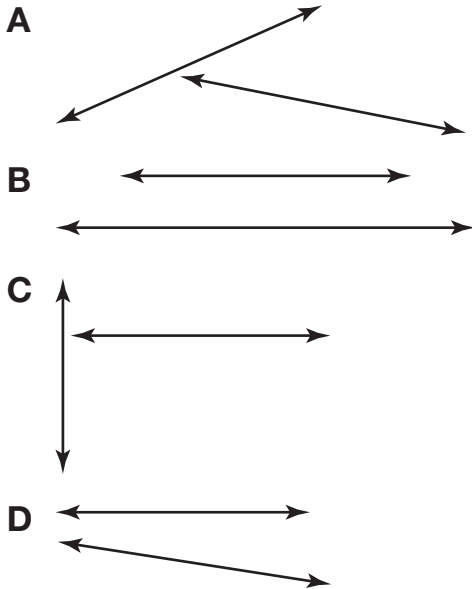


**A** They are parallel.  
**B** They form a parallelogram.  
**C** They are perpendicular.  
**D** Each line has only 3 points.

5. Which of the following best describes a regular hexagon? (8-3)

**A** All sides and angles are equal.  
**B** All angles are acute.  
**C** All sides are parallel.  
**D** Opposite sides are perpendicular.

6. Which two lines will not intersect? (8-1)



7. Which generalization about quadrilaterals is incorrect? (8-6)

- A** The sum of the angles of any quadrilateral is  $180^\circ$ .
- B** All squares are parallelograms.
- C** All quadrilaterals have 4 sides.
- D** All rhombuses are parallelograms.

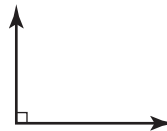
8. What two terms could be used to describe a triangle with all sides the same length and all angles measuring  $60^\circ$ ? (8-4)

- A** Isosceles and right
- B** Equilateral and obtuse
- C** Scalene and acute
- D** Equilateral and acute

9. The measures of three of the angles of a quadrilateral are  $90^\circ$ ,  $36^\circ$ , and  $117^\circ$ . What is the measure of the fourth angle? (8-5)

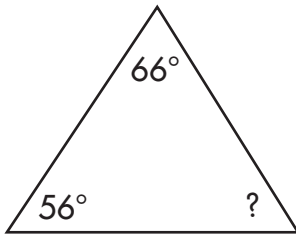
- A**  $243^\circ$
- B**  $117^\circ$
- C**  $107^\circ$
- D**  $57^\circ$

10. Classify the angle. (8-2)



- A** Acute
- B** Obtuse
- C** Right
- D** Straight

- 11.** Find the measure of the third angle of the triangle. (8-4)



- A**  $180^\circ$
- B**  $122^\circ$
- C**  $58^\circ$
- D**  $44^\circ$

- 12.** Which of the following quadrilaterals has only one pair of parallel lines? (8-5)

- A** Square
- B** Rectangle
- C** Rhombus
- D** Trapezoid